Abstract

An automatic safe disposable blood sampling device, comprising a case defining an shoot chamber, said shoot chamber being provided with a lancet-exiting hole at a front end thereof; a lancet disposed slidably in said shoot chamber and provided with a puncturing tip at a front portion thereof, said puncturing tip being pointed to said lancet-exiting hole in an alignment manner; a spring disposed at back of said lancet in a shooting direction of said lancet; a locking and shooting structure provided on a side of said lancet and said case along a compression path of said spring, said locking and shooting structure being composed of an elastic arm button on said case and an elastic arm on said lancet, said elastic arm button being an extended structure on a side of said case, a button engaging end of said elastic arm button facing a locking hole provided on a side wall of said case, said elastic arm being another extended structure on a side of said lancet corresponding to said side wall of said case, a free end of said elastic arm being engaged with said locking hole in a locking state, and a root portion of said elastic arm being provided with a notch or a shrink neck on which stress is easy to concentrate. Since a notch or a shrink neck is provided at the root portion of the elastic arm, the elastic arm disengages from the locking hole after the elastic arm button is pressed, at the same time, the elastic arm is broken to be self-destructed due to the stress concentration on the notch, therefore, the present invention is beyond retrieval after one-off shooting.